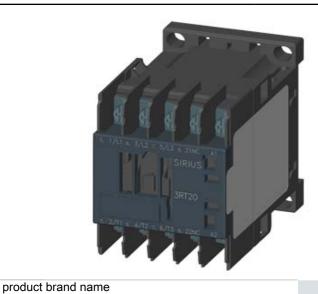
SIEMENS

Data sheet 3RT2018-4AK62



CONTACTOR, AC-3, 7.5KW/400V, 1NC, AC110V 50HZ, 120V 60HZ 3-POLE, SZ S00 RING CABLE LUG CONNECTION $\,$

Product designation		3RT2 contactor	
General technical data:			
Insulation voltage			
Rated value	V	690	
Degree of pollution		3	
Surge voltage resistance Rated value	kV	6	
Mechanical service life (switching cycles)			
 of the contactor typical 		30 000 000	
 of the contactor with added electronics- 		5 000 000	
compatible auxiliary switch block typical			
 of the contactor with added auxiliary switch 		10 000 000	
block typical			
Thermal short-time current restricted to 10 s	Α	128	
Protection class IP			
• on the front		IP20	
• of the terminal		IP20	
Equipment marking			
• acc. to DIN EN 61346-2		Q	
• acc. to DIN EN 81346-2		Q	

SIRIUS

Operating voltage

Number of poles for main current circuit

Number of NC contacts for main contacts

Number of NO contacts for main contacts

3

0

3

Operating current ◆ at AC-1 — at 400 V at ambient temperature 40 °C Rated value — up to 690 V at ambient temperature 40 °C Rated value — up to 690 V at ambient temperature 60 °C Rated value — up to 690 V at ambient temperature 60 °C Rated value • at AC-2 at 400 V Rated value • at AC-3 • at AC-3 — at 400 V Rated value • at AC-3 — at 400 V Rated value • at AC-3 — at 400 V Rated value • at 890 V Rated value • at 890 V Rated value • at B90 V Rated value • at 10C-1 — at 24 V Rated value • at 110 V Rated value • at 110 V Rated value • at 220 V Rated value • at 20 V Rated value • at 10C-3 • at 24 V Rated value • at 20 V Rated value • at 110 V Rated value • at 20 V Rated va	at AC-3 Rated value maximum	V	690
— at 400 V at ambient temperature 40 °C Rated value — up to 690 V at ambient temperature 40 °C Rated value — up to 690 V at ambient temperature 60 °C Rated value — up to 690 V at ambient temperature 60 °C Rated value — up to 690 V Rated value ■ at AC-2 at 400 V Rated value ■ at AC-3 — at 400 V Rated value — at 400 V Rated value — at 690 V Rated value ■ at DC-1 — at 24 V Rated value — at 110 V Rated value — at 400 V Rated value — at 400 V Rated value — at 200 V Rated value — at 400 V Rated value — at 600 V Rated value — at 100 V Rated value — at 110 V Rated value — at 20 V Rated value — at	Operating current		
Rated value — up to 690 V at ambient temperature 40 °C Rated value — up to 690 V at ambient temperature 60 °C Rated value — up to 690 V at ambient temperature 60 °C Rated value — at 140 V Rated value — at 400 V Rated value — at 500 V Rated value — at 690 V Rated value — at 11.5 Coperating current with 1 current path — at 24 V Rated value — at 110 V Rated value — at 20 V Rated value — at 440 V Rated value — at 440 V Rated value — at 600 V Rated value — at 600 V Rated value — at 600 V Rated value — at 100 V Rated value — at 100 V Rated value — at 100 V Rated value — at 110 V Rated value — at 220 V Rated value — at 110 V Rated value — at 220 V Rated value — at 24 V Rated value — at 220 V Rate	• at AC-1		
Rated value — up to 690 V at ambient temperature 60 °C Rated value • at AC-2 at 400 V Rated value • at AC-3 — at 400 V Rated value — at 690 V Rated value • at AC-4 at 400 V Rated value • at AC-4 at 400 V Rated value • at BO V Rated value • at AC-4 at 400 V Rated value • at BO V Rated value • at DC-1 — at 24 V Rated value — at 110 V Rated value — at 220 V Rated value — at 220 V Rated value — at 220 V Rated value — at 240 V Rated value — at 200 V Ra	•	Α	22
Rated value ● at AC-2 at 400 V Rated value A 16 • at AC-3 — at 400 V Rated value A 16 — at 500 V Rated value A 12.4 — at 690 V Rated value A 8.9 • at AC-4 at 400 V Rated value A 11.5 Operating current with 1 current path • at DC-1 — at 24 V Rated value A 20 — at 240 V Rated value A 2.1 — at 220 V Rated value A 0.6 — at 440 V Rated value A 0.6 — at DC-3 A 20 — at 24 V Rated value A 0.1 — at 10 V Rated value A 0.1 — at 24 V Rated value A 20 — at 110 V Rated value A 1.6 — at 220 V Rated value A 1.6 — at 24 V Rated value A 0.8 — at 600 V Rated value A 0.8 — at 10 V Rated value A 0.7 • at DC-3 — at 24 V Rated value A 20 • at DC-1 — at 24 V Rated value A		Α	22
• at AC-3 — at 400 V Rated value — at 500 V Rated value — at 690 V Rated value — at 690 V Rated value — at 690 V Rated value — at 600 V Rated value • at AC-4 at 400 V Rated value • at DC-1 — at 24 V Rated value — at 110 V Rated value — at 220 V Rated value — at 440 V Rated value — at 440 V Rated value — at 440 V Rated value — at 600 V Rated value — at 110 V Rated value — at 600 V Rated value — at 110 V Rated value — at 100 V Rated value — at 110 V Rated value — at 24 V Rated value — at 440 V Rated value — at 440 V Rated value — at 440 V Rated value — at 24 V Rated value — at 24 V Rated value — at 440 V Rated value — at 24 V Rated value — at 250 V Rated		Α	20
- at 400 V Rated value - at 500 V Rated value - at 690 V Rated value - at 690 V Rated value • at AC-4 at 400 V Rated value • at AC-4 at 400 V Rated value • at DC-1 - at 24 V Rated value - at 110 V Rated value - at 220 V Rated value - at 440 V Rated value - at 440 V Rated value - at 600 V Rated value - at 110 V Rated value - at 110 V Rated value - at 110 V Rated value - at 24 V Rated value - at 110 V Rated value - at 24 V Rated value - at 110 V Rated value - at 124 V Rated value - at 24 V Rated value - at 24 V Rated value - at 440 V Rated value - at 440 V Rated value - at 24 V Rated value - at 25 V Rated value - at 26 V Rated value - at 27 V Rated value - at 28 V Rated value - at 28 V Rated value - at 29 V Rated value - at 29 V Rated value - at 20 V	• at AC-2 at 400 V Rated value	Α	16
- at 500 ∨ Rated value	• at AC-3		
- at 690 ∨ Rated value • at AC-4 at 400 ∨ Rated value A 11.5 Operating current with 1 current path • at DC-1 — at 24 ∨ Rated value — at 110 ∨ Rated value A 2.1 — at 220 ∨ Rated value — at 440 ∨ Rated value A 0.8 — at 440 ∨ Rated value A 0.6 — at DC-3 at DC-5 — at 24 ∨ Rated value — at 110 ∨ Rated value A 0.6 Operating current with 2 current paths in series • at DC-1 — at 24 ∨ Rated value A 1.6 — at 440 ∨ Rated value A 1.6 — at 440 ∨ Rated value A 1.6 — at 440 ∨ Rated value A 0.8 — at 400 ∨ Rated value A 1.6 — at 400 ∨ Rated value A 0.8 — at 600 ∨ Rated value A 0.7 • at DC-3 • at DC-5 — at 110 ∨ Rated value A 0.7 • at DC-3 at DC-5 — at 24 ∨ Rated value A 0.7 • at DC-3 at DC-5 — at 110 ∨ Rated value A 0.7 • at DC-3 at DC-5 — at 24 ∨ Rated value A 0.35 — at 24 ∨ Rated value A 20 Operating current with 3 current paths in series • at DC-1 — at 24 ∨ Rated value A 20 — at 20 ∨ Rated value A 20 — at 440 ∨ Rated value A 20	— at 400 V Rated value	Α	16
• at AC-4 at 400 V Rated value A 11.5 Operating current with 1 current path • at DC-1 — at 24 V Rated value A 2.1 — at 220 V Rated value A 0.8 — at 440 V Rated value A 0.6 — at 600 V Rated value A 0.6 • at DC-3 at DC-5 — at 24 V Rated value A 0.1 Operating current with 2 current paths in series • at DC-1 — at 24 V Rated value A 20 — at 110 V Rated value A 20 — at 110 V Rated value A 20 — at 110 V Rated value A 20 — at 20 V Rated value A 20 — at 110 V Rated value A 1.6 — at 20 V Rated value A 1.6 — at 440 V Rated value A 0.8 — at 400 V Rated value A 0.8 — at 20 V Rated value A 0.7 • at DC-3 at DC-5 — at 110 V Rated value A 0.7 • at DC-3 at DC-5 — at 110 V Rated value A 20 Operating current with 3 current paths in series • at DC-1 — at 24 V Rated value A 20 Operating current with 3 current paths in series • at DC-1 — at 24 V Rated value A 20 Operating current with 3 current paths in series • at DC-1 — at 24 V Rated value A 20 Operating current with 3 current paths in series • at DC-1 — at 24 V Rated value A 20 — at 220 V Rated value A 20 — at 440 V Rated value A 20	— at 500 V Rated value	Α	12.4
Operating current with 1 current path ◆ at DC-1	— at 690 V Rated value	Α	8.9
• at DC-1 — at 24 V Rated value — at 110 V Rated value A A D.8 — at 440 V Rated value A A D.6 — at 600 V Rated value A A D.1 Operating current with 2 current paths in series • at DC-1 — at 220 V Rated value A A D.8 A D.6 • at DC-3 at DC-5 — at 24 V Rated value A A D.1 Operating current with 2 current paths in series • at DC-1 — at 220 V Rated value A A D.1 Operating current with 2 current paths in series • at DC-1 — at 220 V Rated value A A D.7 • at DC-3 at DC-5 — at 110 V Rated value A A D.7 • at DC-3 at DC-5 — at 110 V Rated value A A D.7 • at DC-3 at DC-5 — at 110 V Rated value A A D.7 • at DC-3 at DC-5 — at 24 V Rated value A A D.7 • at DC-3 at DC-5 — at 110 V Rated value A A D.7 • at DC-1 — at 24 V Rated value A A D.7 • at DC-3 at DC-5 — at 110 V Rated value A A D.7 • at DC-1 — at 24 V Rated value A A D.7 • at DC-1 — at 24 V Rated value A A D.7 • at DC-1 — at 24 V Rated value A A D.7 • at DC-1 — at 24 V Rated value A A D.7 • at DC-1 — at 24 V Rated value A A D.7 • at DC-1 — at 24 V Rated value A A D.7 • at DC-1 — at 24 V Rated value A A D.7 • at DC-1 — at 24 V Rated value A A D.7 • at DC-1 — at 24 V Rated value A A D.7 • at DC-1 — at 24 V Rated value A A D.7 • at DC-1 — at 24 V Rated value A A D.7 • at DC-1 — at 24 V Rated value A A D.7	• at AC-4 at 400 V Rated value	Α	11.5
at 24 V Rated value	Operating current with 1 current path	_	
- at 110 V Rated value	• at DC-1		
- at 220 ∨ Rated value - at 440 ∨ Rated value A 0.6 - at 600 ∨ Rated value A 0.6 • at DC-3 at DC-5 - at 24 ∨ Rated value A 0.1 Operating current with 2 current paths in series • at DC-1 - at 24 ∨ Rated value A 0.1 Operating current with 2 current paths in series • at DC-1 - at 24 ∨ Rated value A 12 - at 110 ∨ Rated value A 12 - at 220 ∨ Rated value A 1.6 - at 440 ∨ Rated value A 0.7 • at DC-3 at DC-5 - at 110 ∨ Rated value A 0.7 • at DC-3 at DC-5 - at 110 ∨ Rated value A 0.7 • at DC-3 at DC-5 - at 110 ∨ Rated value A 0.35 - at 24 ∨ Rated value A 20 Operating current with 3 current paths in series • at DC-1 - at 24 ∨ Rated value A 20 - at 110 ∨ Rated value A 20 - at 24 ∨ Rated value A 3 3	— at 24 V Rated value	Α	20
— at 440 V Rated value — at 600 V Rated value A 0.6 • at DC-3 at DC-5 — at 24 V Rated value A 0.1 Operating current with 2 current paths in series • at DC-1 — at 24 V Rated value A 0.1 Operating current with 2 current paths in series • at DC-1 — at 24 V Rated value A 12 — at 110 V Rated value A 1.6 — at 440 V Rated value A 0.8 — at 600 V Rated value A 0.7 • at DC-3 at DC-5 — at 110 V Rated value A 0.35 — at 24 V Rated value A 0.35 — at 24 V Rated value A 20 Operating current with 3 current paths in series • at DC-1 — at 24 V Rated value A 20 Operating current with 3 current paths in series • at DC-1 — at 24 V Rated value A 20 — at 110 V Rated value A 20 — at 220 V Rated value A 20 — at 110 V Rated value A 20 — at 24 V Rated value A 20 — at 25 V Rated value A 20 — at 25 V Rated value A 20 — at 26 V Rated value A 20 — at 27 V Rated value A 20 — at 28 V Rated value A 20 — at 29 V Rated value A 20 — at 20 V Rated value A 20 — at 20 V Rated value A 20 — at 20 V Rated value A 2	— at 110 V Rated value	Α	2.1
— at 600 ∨ Rated value • at DC-3 at DC-5 — at 24 ∨ Rated value A 20 — at 110 ∨ Rated value A 0.1 Operating current with 2 current paths in series • at DC-1 — at 24 ∨ Rated value A — at 110 ∨ Rated value A — at 220 ∨ Rated value A — at 220 ∨ Rated value A — at 440 ∨ Rated value A — at 600 ∨ Rated value A • at DC-3 • at DC-5 — at 110 ∨ Rated value A — at 24 ∨ Rated value A • at DC-3 — at 24 ∨ Rated value A — at 20 Operating current with 3 current paths in series • at DC-1 — at 24 ∨ Rated value A — at 20 — at 24 ∨ Rated value A — at 20 — at 24 ∨ Rated value A — at 20 — at 24 ∨ Rated value A 20 — at 20 ∨ Rated value A 20 — at 20 ∨ Rated value A 20 — at 440 ∨ Rated value A 1.3	— at 220 V Rated value	Α	0.8
• at DC-3 at DC-5 — at 24 V Rated value A 20 Operating current with 2 current paths in series • at DC-1 — at 24 V Rated value A 20 — at 110 V Rated value A 20 — at 110 V Rated value A 12 — at 220 V Rated value A 1.6 — at 440 V Rated value A 0.8 — at 600 V Rated value A 0.7 • at DC-3 — at 110 V Rated value A 0.35 — at 110 V Rated value A 20 Operating current with 3 current paths in series • at DC-1 — at 24 V Rated value A 20 Operating current with 3 current paths in series • at DC-1 — at 24 V Rated value A 20 — at 110 V Rated value A 20 — at 440 V Rated value A 20	— at 440 V Rated value	Α	0.6
at 24 V Rated value at 110 V Rated value A 0.1 Operating current with 2 current paths in series ■ at DC-1 at 24 V Rated value at 110 V Rated value A 1.6 at 220 V Rated value A 1.6 at 440 V Rated value A 0.7 ■ at DC-3 at DC-5 at 110 V Rated value A 0.35 at 24 V Rated value A 0.35 at 24 V Rated value A 0.7 Operating current with 3 current paths in series ■ at DC-1 at 24 V Rated value A 0.35 at 20 Operating current with 3 current paths in series ■ at DC-1 at 24 V Rated value at 220 V Rated value A 20 at 110 V Rated value A 20 at 110 V Rated value A 20 at 110 V Rated value A 20 at 220 V Rated value A 20 at 220 V Rated value A 20 at 440 V Rated value A 20 at 1.3	— at 600 V Rated value	Α	0.6
— at 110 V Rated value Operating current with 2 current paths in series	• at DC-3 at DC-5		
Operating current with 2 current paths in series • at DC-1 — at 24 V Rated value A 20 — at 110 V Rated value A 12 — at 220 V Rated value A 0.8 — at 440 V Rated value A 0.7 • at DC-3 at DC-5 — at 110 V Rated value A 20 — at 24 V Rated value A 20 Operating current with 3 current paths in series • at DC-1 — at 24 V Rated value A 20 — at 110 V Rated value A 20 — at 220 V Rated value A 20 — at 220 V Rated value A 20 — at 440 V Rated value A 20 — at 440 V Rated value A 20 — at 1.3	— at 24 V Rated value	Α	20
■ at DC-1 — at 24 V Rated value — at 110 V Rated value — at 220 V Rated value — at 440 V Rated value — at 600 V Rated value — at 600 V Rated value — at 110 V Rated value — at 110 V Rated value — at 24 V Rated value — at 440 V Rated value — at 1.3	— at 110 V Rated value	Α	0.1
- at 24 V Rated value	Operating current with 2 current paths in series		
- at 110 V Rated value A 12 - at 220 V Rated value A 1.6 - at 440 V Rated value A 0.8 - at 600 V Rated value A 0.7 ● at DC-3 at DC-5 - at 110 V Rated value A 0.35 - at 24 V Rated value A 0.05 Operating current with 3 current paths in series ● at DC-1 - at 24 V Rated value A 20 - at 110 V Rated value A 20 - at 220 V Rated value A 20 - at 220 V Rated value A 20 - at 440 V Rated value A 1.3	• at DC-1		
- at 220 V Rated value A D.8 A 0.8 A 0.7 ■ at DC-3 at DC-5 A 110 V Rated value A 0.35 A Departing current with 3 current paths in series ■ at DC-1 A A A D A A A A A A A A A A A A A A A	— at 24 V Rated value	Α	20
— at 440 V Rated value A 0.8 — at 600 V Rated value A 0.7 • at DC-3 at DC-5 — at 110 V Rated value A 0.35 — at 24 V Rated value A 20 Operating current with 3 current paths in series • at DC-1 — at 24 V Rated value A 20 — at 110 V Rated value A 20 — at 220 V Rated value A 20 — at 440 V Rated value A 1.3	— at 110 V Rated value	Α	12
 — at 600 V Rated value ■ at DC-3 at DC-5 — at 110 V Rated value — at 24 V Rated value A 20 Operating current with 3 current paths in series ■ at DC-1 — at 24 V Rated value — at 24 V Rated value — at 110 V Rated value — at 220 V Rated value — at 220 V Rated value — at 440 V Rated value A 20 — at 440 V Rated value A 1.3 	— at 220 V Rated value	Α	1.6
 at DC-3 at DC-5 at 110 V Rated value A 0.35 at 24 V Rated value Operating current with 3 current paths in series at DC-1 at 24 V Rated value at 110 V Rated value at 220 V Rated value at 220 V Rated value at 440 V Rated value A 20 A 20 A 20 A 1.3 	— at 440 V Rated value	Α	0.8
— at 110 V Rated value A 0.35 — at 24 V Rated value A 20 Operating current with 3 current paths in series • at DC-1 — at 24 V Rated value A 20 — at 110 V Rated value A 20 — at 220 V Rated value A 20 — at 440 V Rated value A 1.3	— at 600 V Rated value	Α	0.7
 — at 24 V Rated value A 20 Operating current with 3 current paths in series ● at DC-1 — at 24 V Rated value — at 110 V Rated value — at 220 V Rated value — at 220 V Rated value — at 440 V Rated value A 20 — at 440 V Rated value A 1.3 	• at DC-3 at DC-5		
Operating current with 3 current paths in series • at DC-1 — at 24 V Rated value — at 110 V Rated value A 20 — at 220 V Rated value A 20 — at 440 V Rated value A 1.3	— at 110 V Rated value	Α	0.35
 at DC-1 at 24 V Rated value at 110 V Rated value at 220 V Rated value at 24 V Rated value at 20 A 20 A 20 A 20 A 20 A 1.3 	— at 24 V Rated value	Α	20
— at 24 V Rated value A 20 — at 110 V Rated value A 20 — at 220 V Rated value A 20 — at 440 V Rated value A 1.3	Operating current with 3 current paths in series		
— at 110 V Rated value A 20 — at 220 V Rated value A 20 — at 440 V Rated value A 1.3	• at DC-1		
 — at 220 V Rated value — at 440 V Rated value A 1.3 	— at 24 V Rated value	Α	20
— at 440 V Rated value A 1.3	— at 110 V Rated value	Α	20
	— at 220 V Rated value	Α	20
— at 600 V Rated value A 1	— at 440 V Rated value	Α	1.3
	— at 600 V Rated value	Α	1

• at DC-3 at DC-5		
— at 110 V Rated value	Α	20
— at 220 V Rated value	Α	1.5
— at 24 V Rated value	Α	20
— at 440 V Rated value	Α	0.2
— at 600 V Rated value	Α	0.2
Operating power		
● at AC-1 at 400 V Rated value	kW	13
• at AC-2 at 400 V Rated value	kW	7.5
● at AC-4 at 400 V Rated value	kW	5.5
Operating power		
• at AC-1		
— at 230 V at 60 °C Rated value	kW	7.5
— at 230 V Rated value	kW	7.5
— at 400 V at 60 °C Rated value	kW	13
— at 690 V at 60 °C Rated value	kW	22
— at 690 V Rated value	kW	22
• at AC-3		
— at 230 V Rated value	kW	4
— at 400 V Rated value	kW	7.5
— at 690 V Rated value	kW	7.5
Operating power for ≥ 200000 operating cycles at AC-4		
• at 400 V Rated value	kW	2.5
• at 690 V Rated value	kW	3.5
Operating frequency		
• at AC-3 maximum	1/h	750
Control circuit/ Control:		
Type of voltage of the control supply voltage		AC
Control supply voltage with AC		
● at 50 Hz Rated value	V	110
at 60 Hz Rated value	V	120
Operating range factor control supply voltage rated		
value of the magnet coil with AC		0.8 1.1
• at 50 Hz		0.8 1.1
● at 60 Hz		0.05 1.1
Auxiliary circuit:		
Number of NC contacts		
for auxiliary contacts		
— instantaneous contact		1
Number of NO contacts		

for auxiliary contacts		
— instantaneous contact		0
Product expansion Auxiliary switch		Yes
Operating current at AC-15		
• at 230 V Rated value	Α	10
• at 400 V Rated value	Α	3
• at 690 V Rated value	Α	1
Operating current		
• at DC-12 at 125 V Rated value	Α	2
• at DC-12 at 220 V Rated value	Α	1
• at DC-12 at 600 V Rated value	Α	0.15
• at DC-13 at 125 V Rated value	Α	0.9
• at DC-13 at 220 V Rated value	Α	0.3
• at DC-13 at 600 V Rated value	Α	0.1
Operating current		
● at DC-12		
— at 60 V Rated value	Α	6
— at 110 V Rated value	Α	3
• at DC-13		
— at 24 V Rated value	Α	10
— at 60 V Rated value	Α	2
— at 110 V Rated value	Α	1
Contact reliability of the auxiliary contacts		1 faulty switching per 100 million (17 V, 1 mA)
JL/CSA ratings:		
Full-load current (FLA) for three-phase AC motor		
• at 480 V Rated value	Α	14
• at 600 V Rated value	Α	11
yielded mechanical performance [hp]		
• for single-phase AC motor at 110/120 V Rated value	metric hp	1
• for single-phase AC motor at 230 V Rated	metric	2

Full-load current (FLA) for three-phase AC motor		
● at 480 V Rated value	Α	14
• at 600 V Rated value	Α	11
yielded mechanical performance [hp]		
 for single-phase AC motor at 110/120 V Rated value 	metric hp	1
 for single-phase AC motor at 230 V Rated value 	metric hp	2
 for three-phase AC motor at 200/208 V Rated value 	metric hp	3
 for three-phase AC motor at 220/230 V Rated value 	metric hp	5
 for three-phase AC motor at 460/480 V Rated value 	metric hp	10
• for three-phase AC motor at 575/600 V Rated value	metric hp	10
Contact rating of the auxiliary contacts acc. to UL		A600 / Q600

Short-circuit:

Design of the fuse link

- for short-circuit protection of the main circuit
 - with type of assignment 1 required
 - with type of assignment 2 required

• for short-circuit protection of the auxiliary switch required

gL/gG LV HRC 3NA, DIAZED 5SB, NEOZED 5SE: 35 A gL/gG LV HRC 3NA, DIAZED 5SB, NEOZED 5SE: 20 A

fuse gL/gG: 10 A

mounting position		+/-180° rotation possible on vertical mounting
		surface; can be tilted forward and backward by +/-
		22.5° on vertical mounting surface
Mounting type		screw and snap-on mounting onto 35 mm standard
		mounting rail according to DIN EN 50022
 Side-by-side mounting 		Yes
Height	mm	57.5
Width	mm	45
Depth	mm	73
Required spacing		
with side-by-side mounting		
— forwards	mm	0
— Backwards	mm	0
— upwards	mm	0
— downwards	mm	0
— at the side	mm	0
• for grounded parts		
— forwards	mm	0
— Backwards	mm	0
— upwards	mm	0
— at the side	mm	6
— downwards	mm	0
• for live parts		
— forwards	mm	0
— Backwards	mm	0
— upwards	mm	0
— downwards	mm	0
— at the side	mm	6

Connections/ Terminals:	
Type of electrical connection	
• for main current circuit	ring cable connection
 for auxiliary and control current circuit 	ring cable connection
Apparent pick-up power of the magnet coil with AC	

● at 50 Hz	V·A	37
• at 60 Hz	V·A	33

Safety related data:		
B10 value with high demand rate acc. to SN 31920		1 000 000
Proportion of dangerous failures		
 with low demand rate acc. to SN 31920 	%	40
 with high demand rate acc. to SN 31920 	%	73
Failure rate [FIT] with low demand rate acc. to SN 31920	FIT	100
Product function Mirror contact acc. to IEC 60947-4-1		Yes
T1 value for proof test interval or service life acc. to IEC 61508	У	20
Protection against electrical shock		finger-safe
Protection against electrical shock Mechanical data:		finger-safe
-		finger-safe S00
Mechanical data:		
Mechanical data: Size of contactor	m	
Mechanical data: Size of contactor Ambient conditions:	m	S00
Mechanical data: Size of contactor Ambient conditions: Installation altitude at height above sea level	m	S00
Mechanical data: Size of contactor Ambient conditions: Installation altitude at height above sea level maximum	m °C	S00

General Product Approval

Functional Safety/Safety of Machinery

Declaration of Conformity









Type Examination



Iе	st	
_	41.01	

Shipping Approval

Certificates

Special Test Certificate











GL

Shipping Approval

other







Environmental Confirmations

Confirmation



Further information

Information- and Downloadcenter (Catalogs, Brochures,...)

http://www.siemens.com/industrial-controls/catalogs

Industry Mall (Online ordering system)

http://www.siemens.com/industrymall

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RT20184AK62

Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

http://support.automation.siemens.com/WW/view/en/3RT20184AK62/all

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RT20184AK62&lang=en

